



ADJUSTABLE SCAFFOLD HANGER

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BACKGROUND OF THE INVENTION

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This invention relates to the field of building construction. More particularly, an adjustable and collapsible scaffold hanger is disclosed which enables a workman to quickly and economically attach walk boards to a wall under construction.

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In the construction of buildings, houses, and other structures, it is common for a workman to require scaffolding in the construction process. Scaffolding may be utilized so that workmen can reach the upper parts of a wall or other vertical surface that is not accessible when the workman is standing on the ground alone. One type of scaffolding is built up from the ground, using steel or other sturdy materials. The ground scaffolding itself rests on the ground and is built up vertically as required by the construction job.

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Another type of scaffolding in use in the construction trades involves suspended wall scaffolding structures. These suspended scaffolding structures are hung from the wall and walk boards are placed on the hanging structure. Various refinements and adjustments of such wall scaffold structures have been disclosed in the prior art.

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One type of suspended wall scaffold structure was disclosed in the 1996 patent issued to Lapp, U.S. Patent number 5, 503, 358. Lapp disclosed an upper hanging bracket engaging the top of a wall to support a main, vertical member that is lower and parallel to the wall. A platform support projects from the main vertical member support and

Claim 7 (new): A pair of adjustable hanger supports for adjustably securing walk boards next to a work wall, each adjustable hanger support comprising:

(a) an adjustable vertical riser comprising an upper outer riser section, having an essentially square cross-section, adapted to slidably receive an inner section, having an essentially square corresponding cross-section, wherein said outer riser section has a securing hole on one surface and wherein said inner riser section has a plurality of parallel vertical adjusting holes on one surface of said inner vertical riser and a plurality of perpendicular vertical adjusting holes on a second perpendicular surface of said inner riser section;

(b) a horizontal walk board support perpendicularly attached to the lower end of said outer adjustable vertical riser;

(c) an upper adjustable hanger bracket comprising an outer horizontal hanger support, having an essentially square cross-section, perpendicularly attached to the upper end of said inner vertical riser and an inner horizontal hanger adjusting piece, having an essentially square cross-section, slidably located in said outer hanger support, wherein said outer hanger support has a securing hole in one surface and wherein said inner hanger adjusting piece has a plurality of horizontal adjusting holes on a corresponding surface, wherein the hanger bracket may be adjusted in the horizontal direction and adapted to accommodate the width of various construction walls;

(d) a vertical riser pop-pin and a hanger bracket pop-pin wherein said pop-pin locks, respectively, the vertical riser and the hanger bracket in place;

(e) an upper hanger flange perpendicular and attached to one end of said inner horizontal hanger adjusting piece to stabilize and reduce rotational forces on said hanger support;

wherein said pair of hanger supports may be placed over and secured to a work wall that is parallel to said walk boards using said parallel vertical adjusting holes or wherein said hanger supports may be secured to a wall that is perpendicular to said walk boards using said perpendicular vertical adjusting holes.—



Claim 5(once amended): A pair of adjustable hanger supports for securing walk boards next to a wall as in Claim 7, further comprising a support edge attached to the outer end of each of said horizontal walk board supports and a safety rail, said rail having one end attached to one outer walk board support edge and the other end attached to the other outer walk board support edge.